

FLOW AND SEDIMENT TRANSPORT AND DEPOSITION IN MEANDERING RIVERS

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GOAL:

Aid manufacturers, other researchers, industry, government agencies, and watershed stewards from many different disciplines to improve state of-the-art technologies and methodologies for watershed monitoring, assessment, and restoration.

OBJECTIVES

- Analyze geometries of river basins.
Develop physics-based models for the geometries. Add topography, meteorology, and chemistry to the model.
- Predict future, and past, planforms of rivers; determine accuracy of the predictions by comparison with field data.

3. Test the abilities of available computer codes to accurately predict water flow patterns and deposition. Improve current models and add erosion to them.



